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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/915,681	07/26/2001	Marlen De Schipper	NL 000441	7598

7590 12/11/2002

Corporate Patent Counsel
U.S. Philips Corporation
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EXAMINER

RUDE, TIMOTHY L

ART UNIT	PAPER NUMBER
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2871

DATE MAILED: 12/11/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Applicati n N .	Applicant(s)	
	09/915,681	DE SCHIPPER, MARIEN	
	Examiner	Art Unit	
	Timothy L Rude	2871	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 July 2002 .
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 July 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- | | |
|--|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ . |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) <u>6,7</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rostoker USPAT 5,977,535 in view of Umemoto et al (Umemoto) 6,196,692 B1.

1. As to claim 1, Rostoker discloses in Figure 16A (col. 13, lines 29-48) an image-sensing display device comprising: an image display part including an LCD display panel, 1630 (Applicant's image display panel), and lighting means, 1660, for illuminating the panel, and

an image-sensing part arranged on top of the display panel and including a two-dimensional array of photosensitive elements, 1620.

Rostoker discloses alternate embodiments but does not explicitly disclose a reflective display panel and in that the lighting means are front-lighting means which are arranged in front of the array of photosensitive elements.

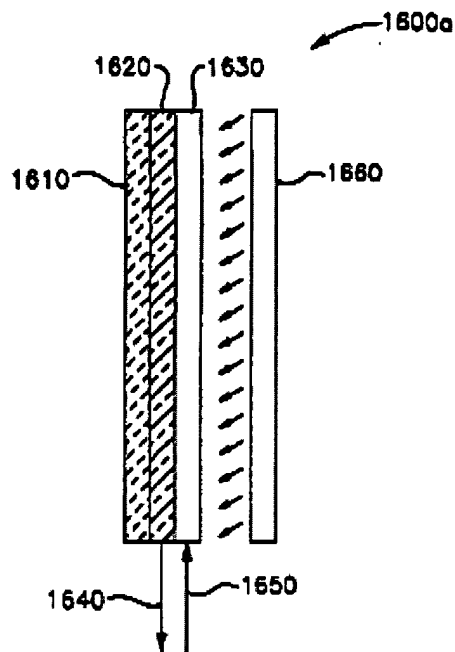


Figure 16A

Umemoto teaches the use of a reflective display panel with front-lighting means which are arranged in front of the display assembly to provide a display that is bright, easy to view, and reduced in power consumption (col. 13, lines 23-32).

Umemoto is evidence that ordinary workers in the art of liquid crystals would find the reason, suggestion, or motivation to add a front-lighting means to provide a display that is bright, easy to view, and reduced in power consumption.

Therefore, it would have been obvious to one having ordinary skill in the art of liquid crystals at the time the invention was made to modify the LCD of Rostoker with the front-lighting means of Umemoto to provide a display that is bright, easy to view, and reduced in power consumption.

As to claim 2, Rostoker discloses an image-sensing display device as claimed in claim 1, wherein the display panel comprises an optic element or lens element, 1610 (Applicant's transparent front plate), characterized in that the array of photosensitive elements is arranged under the front plate.

As to claim 3, Rostoker discloses an image-sensing display panel as claimed in claim 1, wherein the display panel comprises a transparent front plate, 1610, characterized in that the array of photosensitive elements, 1620, is arranged on the underside of the front plate.

As to claim 4, Umemoto discloses in Figure 7 a lighting means comprise a light conductive plate, 1 (Applicant's front light guide), characterized in that lens means are integrated in the light guide. Motivation to combine is the same as for claim 1.

As to claim 5, Rostoker discloses an image-sensing display device characterized in that lens means comprising, 1610, are arranged on the front plate of the display panel, 1630.

As to claim 6, Rostoker discloses an image-sensing display device characterized in that the array of photosensitive elements is constituted by a CCD sensor (col. 5, lines 13-16).

As to claim 7, the mere selection of a C-MOS image sensor for the array of photosensitive elements is considered a species of the claimed invention, not patentably distinct, unless unexpected results are obtained.

As to claim 8, Rostoker discloses an image-sensing display device characterized in that the display panel is an LCD panel (col. 13, lines 33-36).

As to claim 9, the mere selection of a cholesteric liquid crystal material for the LCD panel is considered a species of the claimed invention, not patentably distinct, unless unexpected results are obtained.

As to claim 10, the mere selection of a twisted nematic liquid crystal material for the LCD panel is considered a species of the claimed invention, not patentably distinct, unless unexpected results are obtained.

As to claims 11 and 12, Rostoker discloses his invention may be used to comprise a video phone (col. 3, lines 47-49) which would comprise: an image communication apparatus comprising image display means, including an image display panel, and camera means, including an image sensor, characterized in that the image display panel and the image sensor are constituted by an image-sensing display device as claimed.

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As to claim 13, constructing a videophone apparatus as claimed in claim 12 as a mobile apparatus is considered an obvious expedient of a videophone, not patentably distinct. For convenience, Applicant may view an example of a mobile videophone in Figure 8 and on page 48 of Skow, European Patent Application publication 0 385 128 A2, provided by Applicant in IDS paper #7.

Conclusion

References cited but not applied are relevant to the instant application.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Timothy L Rude whose telephone number is (703) 305-0418. The examiner can normally be reached on Monday through Thursday.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William L Sikes can be reached on (703) 308-4842. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9318 for regular communications and (703) 872-9319 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-4900.



Timothy L Rude
Examiner
Art Unit 2871

TLR
November 13, 2002



ROBERT H. KIM
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800